

Introduction

This is a two-part guide to full-length articles which have appeared in *Northwest Science*, covering the span of 26 years from 1947-1972.

The first section, the Author Bibliography, lists all of the articles alphabetically by author with cross references for joint authors. The citations are arranged under each author alphabetically by title. The titles are given in full and are followed by the volume, pages, and date of each article. For example, "31:155-169. 1957" would indicate that the article would be found in volume 31, on pages 155-169, and was published in 1957.

The second part, the Subject Index, is a cross-indexed guide to the Author Bibliography. The numbers following the authors' names refer to the numbered entries of titles in the Author Bibliography. For example, the entry "After-images: Conklin, J. E. (2)" in the Subject Index would mean that the full title and citation for that subject would be listed in the Author Bibliography as Conklin's article number 2.

I wish to thank my wife, Margie, for all the help she has given in the production of this work.

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PART I

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Corticium hiemalis: Sprague, Roderick (3)

Cottus: Antonelli, Arthur L.

Coyotes
deer and: Ogle, Thomas F.

Crabs
setae: Naughton, Charles C.

Crop rotation
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Crystalline polymers: Raff, Rudolf A. V. (3)

Crystallography
mathematical: Eves, Howard

Cultivation of soils
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Currents, tidal
Yaquina Bay, Oregon: Neal, Victor T.

Cutthroat trout: Averett, Robert C.

Cutting of timber
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Cyclostome ectoproteas: Ross, June R. P.

Dalyellia idahoensis: Knapp, Stuart E.

Dams
effects on geese: Gibson, L. W.

Darling Lake pluton
Washington: Menzer, Fred J., Jr.

Deer
browsing and Douglas-fir: Dimock, Edward J., II (1)
coyotes and: Ogle, Thomas F.
exclosures: Tiedemann, A. R.
range use: White, Keith L.

Deer mice: Gashwiler, Jay

Democracy
scientific discovery and standardization influences: Kaempffert, Waldemar

Dendrometer
optical: Groman, William A.

Dendrotonus brevicornis: Johnson, Philip C.

Deserts

ecology: Horn, Elizabeth Mueller
plants, water potential: Hsieh, Jack
shrubs: Brooks, William H.
soil chemistry: Wildung, Raymond E. (1)
soil temperature: Hinds, W. T. (1)

Detergents: Migaki, Hoyo

Development

eulachon: Parente, William D.
fowl: Rempel, Arthur G.

Dicamptodon: Antonelli, Arthur L.

Dike swarms

Washington: Southwick, David L.

Diptera

distribution: Merritt, Richard W.
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Diseases

See: Communicable diseases; and names of diseases.

Document preservation: Raff, Rudolf A. V. (1, 2)

Dormancy: Rickard, W. H. (6)

Dorypterid fish: Melton, William G., Jr.

Douglas-fir

Alaska: Harris, Arland S. (1)
browsing of deer: Dimock, Edward J., II (1)
endrin-coated seeds: Radwan, M. A. (1)
freeze injury: Reukema, Donald L.
germination: Carmichael, Ralph S. (1)
germination, effected by charcoal: Keijzer, Steven de
interplanting: King, James E.
logging release: Roe, Arthur L. (3)
measurement: Groman, William A.
mycorrhiza: Wright, Ernest
seeding: Carmichael, Ralph L. (1)
silviculture: Roe, Arthur L. (2)
stem deformities: Campbell, Robert K.
thinning: Steele, Robert W.; Worthington, Norman P.

Doves

ecology: Kindschy, Robert R., Jr. (2)

Drainage

forest: Stage, A. R.
Willamette River, Oregon: Baldwin, Ewart M. (1)

Dribblet spires: Greeley, Ronald

Drift samples

insects: Hinckley, Thomas M.

Drinking problems

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Dust
 explosive: Ettling, Bruce V.

Dust bowls: Paulson, John A.

Dwarfmistletoe
 ponderosa pine: Shea, Keith R.
 spruce: Hawksworth, Frank G. (1, 2)

Earthworms
 Oregon: Macnab, James A. (2)
 McKey-Fender, Dorothy (1, 2)
 Oregon, southwestern: Macnab, James A. (5)
 Oregon, western: Macnab, James A. (3)
 Pacific coast: Macnab, James A. (1)
 subspecific variation: Macnab, James A. (4)
 Washington: Macnab, James A. (1, 2)
 McKey-Fender, Dorothy (1)

Echinodontium tinctorium: Etheridge, D. E.

Ecology
 human: Taylor, Walter P.
 sampling problems: Eberhardt, L. L.

Economics
 Alaska: Merriam, Willis B. (1)

Ectomycorrhizal fungi: Catalfomo, Philip

Elderberry, red: Conrad, Paul W.

Electrical power
 load flow: Brown, Rodney J.

Electron microscope: Dixon, Eugene

Electrophysiology
 muscle: Levine, L.

Elk
 exclosures: Tiedemann, A. R.
 grazing effects: Smith, Dixie R.

Elkhorn Ridge argillite
 age: Taubeneck, W. H. (2)

Ellychnia: Fender, Kenneth M. (3)

Embryology
 white silkie fowl: Rempel, Arthur G.

Endrin
 Douglas-fir seeds: Radwan, M. A. (1)

Erosion
 forest: Walker, Eugene H. (2)
 grasses: Walker, Eugene H. (2)
 prevention research: Johnson, L. C.
 steep terrain: Balster, Clifford A. (2)
 Whitman County, Washington: Kaiser, Verle G. (3)

Erosion control: Bailey, Reed W.
Severy, J. W.
Idaho: Wakefield, Louis L.
Montana: Friedrich, C. Allan
Palouse region: Horner, Glenn M.

Esox

fossils: Cavender, Ted M.

Estuaries

fresh-water discharge: Blanton, Jackson
pollution: Parrish, Loys P.

Eulachon

development: Parente, William D.
temperature mortality: Blahm, Theodore H.

Eunice: Gustus, Rita M.

Eurotia lanata

moisture stress patterns: Love, Lesley D.

Evaporation

reservoirs: Bethlahmy, Nedavia

Evolution: Hatch, Melville H.

Exclosures

deer and elk: Tiedemann, A. R.

Exotic plants

Oregon: Peck, Morton E.

Explosive dusts: Ettling, Bruce V.

Extension work: Poulton, Charles E. (1)

Eyes

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Family size

U.S.A.: Broussard, John A.

Farm-forestry

Washington: Mosher, Milton M.

Fasciola hepatica: Lang, Bruce Z.

Fertilizers

forest. See: Forest soils-fertilizers.
nitrogen, Palouse region: Baker, G. Orien
Horner, Glenn M.

Figural after-effect: Conklin, J. E. (2)

Fireproofing

wood: Raff, Rudolf A. V. (4)

Fishes

Columbia River: Becker, C. D. (1)
development: Parente, William D.

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fossil: Cavender, Ted M.
Melton, William G., Jr.
freshwater, age and growth: Rabe, Fred W. (1)
freshwater, Washington: McPhail, J. D.
lake populations: Rabe, Fred W. (2)
parasites: Becker, C. Dale (2)
San Juan Islands, Washington: MacPhee, Craig (1)
temperature mortality: Blahm, Theodore H.
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Flat worms

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Fleas

on wild rabbits: Bacon, Marion (2)

Flies

irrigated areas: Bacon, Marion (3)

Floods

Columbia River Basin: Church, P. E.
control: Bailey, Reed W.

Flora

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Fluorine

effects on pine: Shaw, Charles Gardner (4)

Fluorosis

cattle: Spencer, G. R.

Fomes pini: Maloy, Otis C., Jr.

Forage plants

breeding, genetics: Markarian D.
Cascade lotus: MacLauchlan, R. S.
reseeding: Evanko, Anthony B.
sampling techniques: Poulton, Charles E. (2)
seeding: Friedrich, C. Allan

Forest canopy

coverage analysis: Daubenmire, Rexford (1)

Forest fertilizers

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Forest fires

prevention and control: Crocker, Clayton S.
Wellner, C. A.
prevention and control, instrumentation: Lea, Wayne A.

Forest insects: Wellner, C. A.

Rocky Mountains: Dodge, Harold R.
root feeders: Stein, William I. (1)
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Forest management research

social implications: LeBarron, Russell K.

Forest pathology

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Forest products industries
Pacific Northwest: Hall, J. A.

Forest soils
cation transport: McColl, J. G.
correlation: Base, Steve R.
erosion: Walker, Eugene H. (2)
fertilizers
 effect on survival of *Poria weirii*: Nelson, Earl E.
 grand fir: Loewenstein, Howard
 potential tree growth response: Waring, R. H. (1)
 stream nitrogen levels: Malueg, K. W.
 western white pine: Loewenstein, Howard
fungi survival: Nelson, Earl E.
Idaho: Ferrell, William K. (1)
lodgepole pine, Oregon: Youngberg, C. T. (1)
moisture depletion: Herring, H. G.
Pacific Northwest: Tarrant, Robert F.
site indexes: Carlson, T. C.
slash burning and ion transport: Grier, Charles C.
temperatures: Hermann, Richard K. (1)
tractor effects: Steinbrenner, E. C.
volcanic ash in: Smith, Henry W.
wood specific gravity: Carlson, T. C.

Forestry
goals: Marquis, Ralph W.

Forestry research
British Columbia: Ker, John W.

Forests
Alaska: Daubenmire, Rexford (3)
conifer, classification: Daubenmire, Rexford (2)
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 Fungi—phytopathogenic
fertilizers. See: Forest soils—fertilizers
inventory: Powell, Louis W.
regeneration: Stein, William I. (2)
reseeding: Carmicheal, Ralph L. (2)
shrub competition: Sabhasri, Sanga
soils. See: Forest soils
surveys, aerial: Hodge, William C.
valuation: Bruce, Richard W.

Fossils
fishes: Melton, William G., Jr.
 Cavender, Ted M.
insects: Lewis, Standley E.
mammoths: Newcomb, R. C. (2)
marine: Eocene: McWilliams, Robert G.
Oregon: Hoxie, L. H.
 Quaintance, Charles W.
silicoflagellates: Orr, William N.
Washington: Fry, Willis E.
 Royse, Chester F., Jr. (2)

France
Regionalism: Payne, Howard C.

Frogs

Montana: Black, Jeffrey Howard (1)
muscle twitch: Levine L.

Fruit flies: Forsell, M. J.

Fungi

Alaska: Cooke, William Bridge (1)
ectomycorrhizal: Catalfomo, Philip
Indianpaint: Etheridge, D. E.
parasitic. See: Fungi-phytopathogenic
phytopathogenic: Buchanan, T. S.
forests: Partridge, A. D.
grasses: Sprague, Roderick (2, 4)
hemlock: Etheridge, D. E.
Western North America: Gilbertson, Robert L.
rhodophylloid: Largent, David L.

Gambel white-crowned sparrow: McGreal, Robert D.

Gastropods

pulp mill pollution: Woelke, Charles E.
taxonomy: Porter, Clarence A.

Generalists

social sciences: Wronski, Stanley P.

Geography, historical

Spokane Valley, Washington: Merriam, Willis B. (2)

Geologic age

See: Names of geologic formations.

Geology

Cascade Mountains, Washington: Foster, Robert J.
Coast Range, Oregon: Baldwin, Ewart M. (3)
Columbia River Gorge: Baldwin, Ewart M. (2)
Idaho: Peterson, Donald W.
instruments: Campbell, Charles D. (2)
photography: Sorem, Ronald K.
White Pass Area, Washington: Ellingson, Jack A.
(See also: Names of formations; Glaciation; Petrology; Stratigraphy; Vocanism)

Geothermal springs

Washington: Campbell, K. Vincent

Germination

Douglas-fir: Keijzer, Steven de
inhibiting substances: Klikoff, Lionel G.

Glacial deposition

Pleistocene: Walker, Eugene H. (3)

Glacial terraces: Walker, Eugene H. (1)

Glaciation

botanical effects: Blinn, Dean W.
Montana: Alford, Donald (2)
Puget Lowland: Folsom, Michael M.
Mark, David M.

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Tieton Valley, Washington: Long, William A. (1)
Washington: Long, William A. (1, 2)

Glaciers

mass balance: Alford, Donald (2)
thickness: Krimmel, Robert M.

Gramineae

See: Grasses.

Grand fir

cones, artificial ripening: Pfister, Robert D.

Grapes

field rot: Sprague, Roderick (1)

Grasses

communities in Alaska: Stephens, F. R. (2)
fungi, phytopathogenic: Sprague, Roderick (2, 4)
nurseries: Gates, Dillard H.
soil relationships: Meiners, William R.
Washington, southeastern: Murdock, J. R.

Grassland

See: Grasses.

Gravitation: Snoeberger, D. F.

Grazing

bunchgrass: Anderson, E. William
pressure, elk: Smith, Dixie R.

Greasewood

influences on soils: Rickard, W. H. (5)

Ground water

basalt: Newcomb, R. C. (3)

Gulf of Alaska

hydrography: McManus, Dean A. (1)

Halipegus occidualis

life cycle: Macy, Ralph W.

Hammond Sill, Washington: Hoyt, Carroll L.

Hanford Project

educational program: Johnson, F. Ellis

Heat pumps: Smith, George S.

Heating

economics: Smith, George S.

Heifers

See: Cattle.

Helicopter spraying

Ribes: DeJarnette, G. M.

Hemigrapsus

setae: Naughton, Charles C.

Hemlock, mountain

Montana: Habeck, James R. (2)

Hemlock, western

fungi: Etheridge, D. E.

poisoning: Foiles, Marvin W.

Historical geography

Adams County, Washington: Meyer, Bette E. (1)

Human ecology: Taylor, Walter P.

Hybridization

iris: Clarkson, Quentin D. (1, 2, 3)

Hydrogen fluoride

catalyst between phenol and nitriles: Tsoi, Andrew M-K.

Hydrography

freshwater: Lister, C. R. B. (2)

Gulf of Alaska: McManus, Dean A. (1)

Pacific Ocean: Griggs, G. B.

Hydroids

ecology: McCormick, J. Michael (2)

Hydromedusae

Yaquina Bay, Oregon: McCormick, J. Michael (1)

Hypochlorous acid

reaction with chlorine dioxide: Burghardt, Stanley I.

Idaho

botany: Daubenmire, Rexford (4)

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Idaho Batholith: Ross, Clyde P.

Indian paint fungus: Etheridge, D. E.

Indians

British Columbia: Smith, Jason W.

Klamath: Cressman, L. S.

toys: Meyer, Bette E. (2)

Washington: Rice, David G.

Willamette Valley, Oregon: Reckendorf, Frank F.

Infectious diseases

See: Communicable diseases.

Infiltration (irrigation): Mech, Stephen J.

Insects

aquatic, marking: Brusven, M. A. (1)

biological control: Johansen, Carl A.

drift samples: Hinckley, Thomas M.

forest. See: Forest insects.

fossil: Lewis, Standley E.

marking: Brusven, M. A. (1)

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oviposition measurement: Crawford, Clifford S.
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International relations

China: Ludwig, Albert P.

Intrusives

Idaho: Anderson, Alfred L. (3)
Marys Peak, Oregon: Roberts, Albert E.
Washington: Hoyt, Carroll L.

Iris

hybridization: Clarkson, Quentin D. (1, 3)
ecological factors: Clarkson, Quentin D. (2)

Irrigation

plum temperatures: Gay, Lloyd, W. (1)
research: Mech, Stephen J.
scheduling: Middleton, J. E.
water, chemical composition: Walter, Waldemar M.

John Day region, Oregon

volcanism: Thayer, T. P.

Jumping mice: Clark, Tim W. (2)

Keechelus formation, Washington: Waters, Aaron C.

Keechelus Ridge area, Washington

geology: Foster, Robert J.

Klamath Indians

archeology: Cressman, L. S.

Klamath River Basin, Oregon

geology: Newcomb, R. C. (4)

Labor supply

U.S.S.R.: Woolf, Paul N. (1)

Lakes

Oregon: Larson, Douglas W.

Lamproyidae

North America: Fender, Kenneth M. (3, 4)

Land use: Severy, J. W.

Columbia River basin: Peet, Herbert M.
Whitman County, Washington: Kaiser, Verle G. (4)

Land valuation: Nybroten, Norman

Landing strips: Steele, Trevor A.

Larch

silviculture: Roe, Arthur L. (1)
Douglas-fir forests
logging: Roe, Arthur L. (1)

Larch, western

logging release: Roe, Arthur L. (3)

Larix

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Latah formation, Idaho

fossils: Gillette, Norman J.

Law enforcement

research: Leonard, V. A.

Lightning direction finders: Lea, Wayne A.

Lignin

extraction: Zenczak, Piotr

Liquid-liquid jets: Rao, V. N. Padmanabha

Listeria monocytogenes: Bacon, Marion (5)

Litter fall

Douglas-fir stand: Dimock, Edward J., II (2)

Livestock

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Lizards

altitudinal distribution: Rickard, W. H. (4)

dormancy: Rickard, W. H. (6)

Lodgepole pine

soil-moisture depletion: Herring, H. G.

soils and topography: Youngberg, C. T. (1)

Logging

farm: Mosher, Milton M.

larch-Douglas-fir forests: Roe, Arthur L. (2)

tractor effects on forest soils: Steinbrenner, E. C.

Logs

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Long Tom River

geology: Baldwin, Ewart M. (4)

Lotus corniculatus: MacLauchlan, R. S.

Lumber

market reports: Bruce, Richard W.

Lumbering

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Magpies

breeding behavior: Jones, Robert E.

Malthodes: Fender, Kenneth M. (5, 6)

Mammals

alpine: Pattie, Donald L. (1, 2)

Columbia River Gorge: Gordon, Kenneth

small, populations: Stout, Jack

Mammoths: Newcomb, R. C. (2)

Manastash mounds: Kaatz, Martin R.

Manuscript preservation: Raff, Rudolf A. V. (1, 2)

Marine biology: Birkeland, Charles

Marine fauna
 bryozoa: Ross, June R. P.
 crabs: Naughton, Charles C.
 Oregon coast: McCormick, J. Michael (1, 2)
 pollution: Woelke, Charles E.
 sea pens: Batie, Robert E.
 thermal tolerances: DesVoigne, David M.

Marine sediments
 Canada: Lister, C. R. B. (1)
 carbonates: Gross, M. Grant
 Washington: Sternberg, Richard W.

Market reports
 forest products: Bruce, Richard W.

Marmots: Pattie, Donald L. (2)

Marys Peak, Oregon
 petrography: Roberts, Albert E.

Mass transfer: Rao, V. N. Padmanabha

Mathematics
 study and teaching: Noble, Andrewa

Mazama Ash: Bockheim, James G.
 continental slope: Royse, Chester F., Jr. (1)

Meadows
 tide influenced: Stephens, F. R. (2)

Mensuration (forestry): Groman, William A.

Meteorology
 Columbia River Gorge: Lynott, Robert E.
 floods: Church, P. E.
 Pacific Northwest: Maunder, W. J.
 snow-covered slopes: Alford, Donald (1)

Mice, deer: Gashwiler, Jay

Mice, western jumping: Clark, Tim W. (2)

Micrometeorology: Lowry, William P.

Micropezidae
 geographic distribution: Merritt, Richard W.

Microscope, electron: Dixon, Eugene

Microtools: Smith, Jason W.

Microtus

aberrant coloration: Clark, Tim W. (1)

Migration

internal: Harmsworth, Harry C.

Mildews, downy

Pacific Northwest: Shaw, Charles Gardner (1, 2, 3)

Millipeds: Loomis, H. F.

Mima mounds: Kaatz, Martin R.

Minerals

Oregon: Staples, Lloyd W.

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Miniature radio transmitters: Dodge, Wendell E. (1)

Mistletoes, dwarf: Hawksworth, Frank G. (1, 2)

ponderosa pine: Shea, Keith R.

Moisture stress: Love, Lesley D.

Molds

oxygen requirements: Brancato, Frank P.

Moles

bacula: Maser, Chris (1)

Montana

botany, bibliography: Habeck, James R. (4)

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Morainal vegetation: Blinn, Dean W.

Moths

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Mounds

geological: Kaatz, Martin R.

slope ecology: Rickard, W. H. (3)

Mountain hemlock

Montana: Habeck, James R. (2)

Mudstone

Snake River Canyon: Morrison, Robert F.

Mule deer

range use: White, Keith L.

Muscle electrophysiology: Levine, L.

Muscular dystrophy

calves: Bowman, Ollie

Muskegs: Stephens, F. R. (1)

Mycorrhiza

associations, Pacific Northwest: Trappe, James M. (1, 2, 3, 4)

chemical analysis: Catalfomo, Philip

Douglas-fir: Wright, Ernest

Mylodon: Quaintance, Charles W.

Myxomycetes

Washington: Cooke, William Bridge (2)

National parks

wildlife management: Henning, Daniel H.

Negroes

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Neomyzaphiz abietina: Pillsbury, R. W.

Nitrile and phenol catalysts: Tsoi, Andrew M-K.

Nitrogen

soils: Klages, M. G.

Noble fir

distribution: Franklin, Jerry F. (2)

ecology: Franklin, Jerry F. (2)

Nolanea

subgeneric taxa: Largent, David L.

Nomenclature

biology: Brode, J. Stanley

Northwest Scientific Association

goals: Freeman, Otis W. (2)

Numbers

complex: Labarre, A. E., Jr.

Nurseries (horticulture)

grasses: Gates, Dillard H.

Nutria

tumors: Hillemann, Howard H. (4)

Ocean bottom

northwest coast: McManus, Dean A. (2)

Oceanography

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Oligochaeta: Macnab, James A. (4)

Oregon: McKey-Fender, Dorothy (1, 2)

Oregon, southwestern: Macnab, James A. (5)

Oregon, western: Macnab, James A. (3)

Pacific coast: Macnab, James A. (1)

subspecific variation: Macnab, James A. (4)

Washington: McKey-Fender, Dorothy (1)

Operations research: Conklin, Jack E. (1)

Oregon

birds: Scott, J. Michael

botany: Franklin, Jerry F. (1)

Habeck, James R. (3)

Peck, Morton E.

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Ores

Idaho: Anderson, Alfred L. (1, 2)
Wallace, R. E.
prospecting: Rector, Richard J.

Ornithology

See: Birds.

Oviposition measurements

insects: Crawford, Clifford S.

Owls

foodhabits: Maser, Chris (2)

Oxidation

study and teaching: Gelbach, Ralph W.

Oysters

abnormal: Pauley, Gilbert B. (1)

Pacific Science Congress, 7th

biology: Dansereau, Pierre

Paleobotany

Idaho: Gillette, Norman J.
Oregon: Hoxie, L. R.
pines: Mack, Richard N.
Washington: Royse, Chester F., Jr. (2)

Palaeontology

marine, Eocene: McWilliams, Robert G.
Montana: Melton, William G., Jr.
Oregon: Orr, William N.
Washington: Pope, Philip H.

Paleozoology

fishes: Cavender, Ted M.
Idaho: Lewis, Standley E.
Oregon: Quaintance, Charles V.
Washington: Fry, Willis E.
Newcomb, R. C. (2)

Palouse formation

age: Newcomb, R. C. (1)

Palouse region

definition of term: Caldwell, Harry H.
ecologic changes: Tisdale, E. W.
erosion, historical: Kaiser, Verle G. (2)
erosion research: Johnson, L. C.
geology: Newcomb, R. C. (1)
land use, historical: Kaiser, Verle G. (2)
mineral resources: Jones, Robert W.
water resources: Jones, Robert W.

Parasites

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Parasitic fungi

See: Fungi-phytopathogenic

- Parks, state
geography: Freeman, Otis W. (1)
- Patterned ground
Kaatz, Martin R.
- Penstemon*
hybridization: Mackaness, Faith P.
- Peronosporaceae
Pacific Northwest: Shaw, Charles Gardner (1, 2, 3)
- Petrography
White Pass area, Washington: Ellingson, Jack A.
Granite Point, Washington: Hooper, P. R.
- Pharmacology
Pteryxia root: Call, Tracey G.
- Phausis
North America: Fender, Kenneth M. (4)
- Phenol and nitrile catalysts: Tsoi, Andrew M-K.
- Phosphorus
wheat production: Jacquot, Harley D.
- Photogrammetry
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- Photography
geological: Sorem, Ronald K.
- Photoperiodism
birds: Farner, Donald S. (1)
- Physical geography
rivers: Baldwin, Ewart M. (1, 4)
- Physiography
deep-sea channels: Griggs, G. B.
- Phytoplankton
lakes: Larson, Douglas W.
trace elements: Cushing, C. E.
- Pigs
transport stress: Adel, Norman L.
- Pine-blight
ponderosa pine: Lynch, Donald W.
- Pines
fossil pollen: Mack, Richard N.
highwater table effects: Cochran, P. H.
pocket gophers and: Crouch, Glenn L.
(See also under specific name, e.g. white pine, Loblolly, etc.)
- Plankton
freshwater: Hewitt, Alfred F.

Planning, regional

See: Regional planning.

Plant communities: Whittaker, Robert H.

Oregon: Franklin, Jerry F. (1)

Plant moisture

stress patterns: Love, Lesley D.

Plants

effect of temperature: Reukema, Donald L.

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Pleocoma larvae: Stein, William I.

Plum trees

irrigation and temperature: Gay, Lloyd W. (1)

Plutellus: Macnab, James A. (1)

Plutellus adocus, n. sp.: Macnab, James A. (5)

Plutellus davisii: Macnab, James (4)

Plutellus hyoiedes, n. sp.: Macnab, James A. (5)

Plutellus panulirus, n. sp.: Macnab, James A. (3)

Plutons

Washington: Menzer, Fred J., Jr.

Pocket gophers

effects on conifers: Crouch, Glenn L.

Police

See: Law enforcement.

Politics

Idaho: Johnson, Claudius O.

Pollen

allergens: McNeil, A. L.

fossil: Mack, Richard N.

release: Haard, Richard T.

Pollution

air: Shaw, Charles Gardner (4)

estuaries: Parrish, Loys P.

pulp mill: Woelke, Charles E.

Polychaetes: Gustus, Rita M.

Polymers

crystalline: Raff, Rudolf A. V. (3)

Polyporaceae: Gilbertson, Robert L.

Polyzoa: Ross, June R. P.

Ponderosa pine

dwarfmistletoe: Shea, Keith R.
fluorine damage: Shaw, Charles Gardner (4)
pine-blight: Lynch, Donald W.
pruning: Mowat, Edwin L.
silviculture: Weaver, Harold
thinning: Mowat, Edwin L.
watering: Hermann, Richard K. (2)

Populations

small mammals: Stout, Jack
trout: Rabe, Fred W. (2)
U.S.A.: Broussard, John A.
wildlife, increases: Poelker, Richard J.

Poria weirii: Buchanan, T. S.
Nelson, Earl E.

Prairie

western Oregon: Habeck, James R. (3)

Precipitation

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Predator

prey relations
deer and coyotes: Ogle, Thomas F.

Prescribed burning

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Priceite

Oregon: Staples, Lloyd W.

Prince of Wales Island, Alaska

subalpine fir: Harris, Arland S. (2)

Prospecting

geochemical: Rector, Richard J.

Pseudotsuga

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Psychrometric water determination: Hsieh, Jack

Pteryxia

pharmacology: Call, Tracey G.

Ptilosarcus: Batie, Robert E.

Puget Lowland
 glaciation: Folsom, Michael M.
 Mark, David M.

Pulmonates
 taxonomy: Porter, Clarence A.

Pulp mills
 pollution: Woelke, Charles E.

Pumice Desert, Crater Lake National Park, Oregon: Horn, Elizabeth M.

Rabbits
 bacterial infections: Bacon, Marion (2)
 fleas: Bacon, Marion (4)

Race problems
 Seattle, Washington: Kennedy, T. H.

Radiation
 barley: Adams, Jack D.
 chromatin, effects: Sieburth, Louise R.
 genic material, effects: Caldecott, Richard S.
 instrumentation: Mason, Frank D.

Radio broadcasting and science: Harrison, Burton D.

Radio transmitters
 small mammals: Dodge, Wendell E. (1)

Radioactive fallout
 effects on animals: Hanson, W. C.
 forest floor concentration: Rickard, W. H. (1)

Radioactive isotopes
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Radioactive tetramine: Radwan, M. A. (2)

Radioactive tracers: Newton, Michael

Radiobiology: Biddulph, Orlin
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Radiocarbon dating
 scabland flooding: Fryxell, Roald

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 accumulation from fallout: Hanson, W. C.

Radionuclides
 beetles: Hakonson, T. E.

Railroads
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Rain beetles
 western forests: Stein, William I. (1)

Rainbow trout
age and growth: Rabe, Fred W. (1)

Rampart Ridge area, Washington
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Rana
Montana: Black, Jeffrey Howard (1)

Ranges
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Real property
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Recropping
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Red elderberry: Conrad, Paul W.

Reforestation
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Refrigeration
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plague organisms: Miller, Norman G. (2)

Regeneration
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Regional planning: Bessey, Roy F.
Hodgman, Stanley

Regionalism
France: Payne, Howard C.

Religious liberty: Dobler, Clifford

Reproduction
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Reptiles
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Columbia River Gorge: Storm, Robert M.
dormancy: Rickard, W. H. (6)

Reservoirs
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Pacific coast: Largent, David L.

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Ringold formation, Washington: Brown, Randall E.
age: Strand, Jesse R.
clay: Moodie, C. D.

Rivers
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Rock doves
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Rocks
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Rootrots
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Rotation of crops
grains: Kaiser, Verle G. (1)
Pacific Northwest: Kent, Ramon L.

Rots
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Runoff
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Russia
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Rust, blister: DeJarnette, G. M.

Saccharomyces: Reithel, F. J.

Saddle Mountain, Oregon
botany: Detling, LeRoy E. (2)

Salix sitchensis
teratology: Nerbovig, David B.

Salmo: Antonelli, Arthur L.

Salmon
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Sampling (statistical)
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ecological: Eberhardt, L. L.

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geology: Conybeare, C. E. B.

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Montana: Jellison, William L.
Inland Empire region: Schell, Stewart C.

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study and teaching: Noble, Andrewa

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Sea pens: Batic, Robert E.

Seamounts: Birkeland, Charles

Sedimentation and deposition: Bailey, Reed W.

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Bellingham Bay, Washington: Sternberg, Richard W.
chemistry of pond: Hajek, Benjamin F. (1)
chronology: Kittleman, Laurence R.
marine, carbonates: Gross, M. Grant
pond: Hajek, Benjamin F. (1)
Saanich Inlet, British Columbia: Lister, C. R. B. (1)
suspended: Wildung, Raymond E. (2)
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Seismic profiling

Canada: Lister, C. R. B. (1)

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pulp mill pollution: Woelke, Charles E.

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desert: Brooks, William H.

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fossils: Orr, William N.

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Sills

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Southwick, David L.

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ponderosa pine: Weaver, Harold
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Simuliidae

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on rabbits: Bacon, Marion (4)

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Sky compass

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conifer reproduction effects: Vogl, Richard J.
forests: Lyman, C. K.

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 revegetation: Steen, Harold K.
 soil ion transport: Grier, Charles C.

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Smelt
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Snails
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 geology: Morrison, Robert F.

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 Umnak Island, Alaska: Nybakken, Bette Halvorsen

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Speciation: Hatch, Melville H.

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- Spherulite size
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- Spiders
Wyoming: Lowrie, Donald C.
- Spokane River
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- Spokane Valley, Washington
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- Spore release: Haard, Richard T.
- Spraying
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- Springs, thermal
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- Spruce
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- Spruce aphids: Pillsbury, R. W.
- Spruce budworm: Denton, Robert E.
- Spruce-fir forests
silviculture: Smith, J. Harry G.
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influence on democracy: Kaempffert, Waldemar
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research: Ensminger, M. E.
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northern Great Plains: Hurtt, Leon C.
reseeding, Washington: Evanko, Anthony B.
sampling techniques: Poulton, Charles E. (2)
seed germination induction: McDonough, Walter T. (1)
- Stratigraphy
Methow quadrangle, Washington: Barksdale, Julian D.
Washington: Brown, Randall E.
Willamette Valley, Oregon: Balster, Clifford A. (1)
Yakima basalt: Diery, Hassan D.
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- Streams
drift samples of insects: Hinckley, Thomas M.
- Stresses
composite material: Edelman, Walter E., Jr.
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- Subalpine fir
Prince of Wales Island, Alaska: Harris, Arland S. (2)

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 Gulf of Alaska: McManus, Dean A. (1)
 northwest coast: McManus, Dean A. (2)

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 germination-inhibiting substances: Klikoff, Lionel G.

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Yaquina Bay, Oregon: Neal, Victor T.

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Nelson, Earl E.
Wellner, C. A.
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wood bacteria: Bacon, Marion (1)

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Tritium
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Trout
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Tumors
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University of British Columbia
 forestry research: Ker, John W.

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Vegetation
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Velocity meters
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Vision: Conklin, J. E. (2, 3, 4)

Volcanic ash
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 continental slope: Royse, Chester F., Jr. (1)
 soils: Smith, Henry W.
 Washington: Okazaki, Rose (1)

Volcanism

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John Day Region, Oregon: Thayer, T. P.

Washington

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Water

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pollution: Condit, Richard J.
pollution
 aerial forest fertilization effects: Malueg, K. W.
softening: Jobe, Lowell A.
supply forecasting: Stockwell, Homer J.
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Weathermaps

Pacific Northwest: Maunder, W. J.

West Blacktail ash: Okazaki, Rose (1)

Wheat

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Wheat production

sulfur and phosphorus: Jacquot, Harley D.

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geology: Ellingson, Jack A.

White pine

replanting: Watt, Richard F.
rootrots: Hubert, Ernest E.
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Whitefishes

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Wildlife

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management, National parks: Henning, Daniel H.
population increases: Poelker, Richard J.

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- Wood
 bacteria: Bacon, Marion (1)
 fireproofing: Raff, Rudolf A. V. (4)
- X-rays
 barley seeds: Adams, Jack D.
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 tidal currents: Neal, Victor T.
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 fermentation: Reithel, F. J.
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